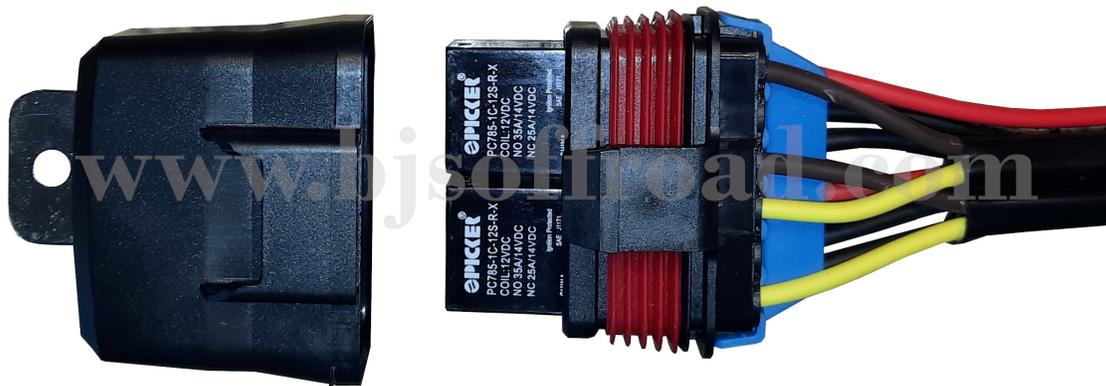




Tailgate Relay Kit Instructions

1979-1991



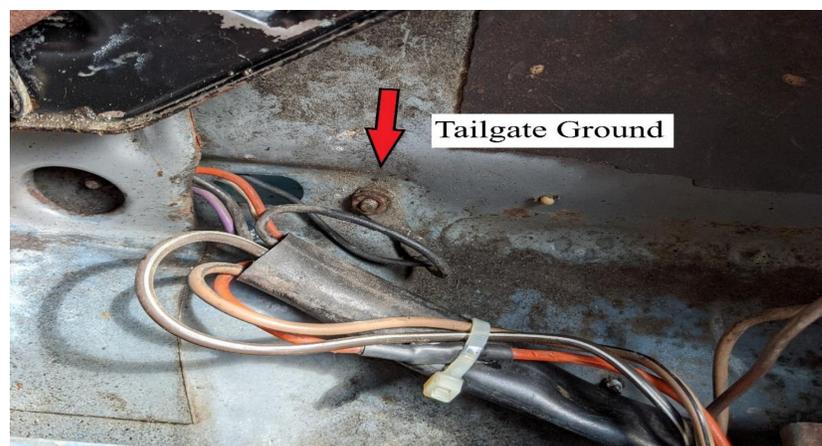
Notes:

1. Note: please read through all instructions prior to removing or installing any part. If you do not feel comfortable with the instructions or in your ability to install or modify your vehicle, please take to a reputable mechanic to have them perform the installation. BJ's Off-Road can not and will not determine your ability to install this kit, and the extent of our warranty and liability only cover the components of this kit, and do not cover improper installation, abuse, neglect, labor rates, etc. Contact us with any questions prior to installation.

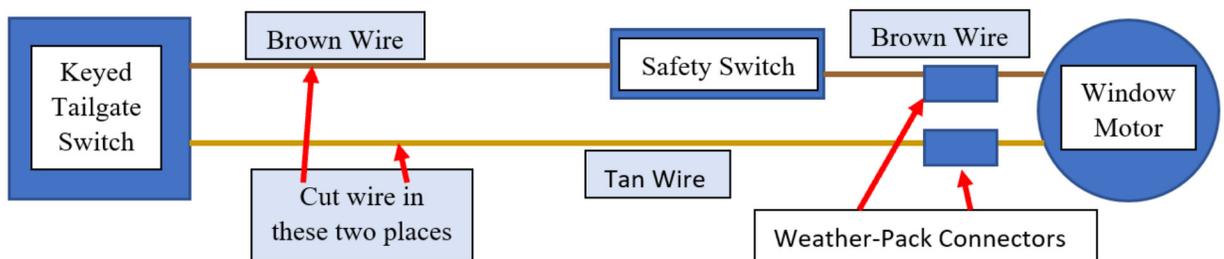


It is best to unplug your battery cables before beginning this procedure to reduce the chance of getting shocked or short anything out. This is also a good opportunity to inspect the condition of all of your wires in the tailgate, clean any switches or wire terminals and check the condition of the connectors that are right underneath the cargo area that feed the wires into the tailgate and clean them if needed. It is also a good time to check the condition of your inner and outer window wipes, glass slide channel for the body and the ones in the tailgate and replace as needed. This is recommended, because if these are bad, they can also impede your tailgate window function. Do not do anything stated above that you do not feel comfortable doing.

1. For the power wire you will use the T-tap that is crimped, and heat shrunk at the end of the red wire. The yellow piece will pull off to make it easier if you need to. Just make sure to plug it back in after you take it off and while doing so, make sure the spade goes into the socket end. There will be a wire that comes off the rear tailgate window switch to tap this into identified in the power wire color diagram. You can use a set of pliers or your fingers and gently put pressure on the connector until it clamps and locks in place over the wire. You should hear it click into place.
2. You can hook the ground up to the stud and nut, but if it looks like the one in the picture below, you will want to clean that up. We intentionally used this picture instead of a cleaned-up version because this is what most of your grounding studs will look like. Use what you feel is appropriate and clean the other ground ring terminals while you are there doing it, then obviously clean the nut or use a new one, the stud and then the part on the panel where the ring terminals touch. It is also a good idea to check the ground stud for continuity to a known good ground. If your ground is not good, then the relay kit will not operate properly.



3. The other four wires, you will follow the pinout diagram below on where they go. We also have a little diagram of where to cut the wires and reconnect them to the relay kit with the heat shrink butt connectors provided. We would say probably cut them about 6-12 inches from the window switch or whatever feels right to you depending on where you mount the relay kit. The window switch itself will be behind the window regulator. You should be able to see the brown wire coming from the safety switch going to the window motor, **DO NOT CUT THIS WIRE**. Cut the other brown wire coming from the safety switch to the tailgate window switch. If you are sitting in the cargo area and look in the access panel to the right, you will see the wires going to the safety switch. Mount your relay holder in a spot of your choosing. Make sure the relay holder and all wiring are secured and away from any moving parts. Secure your battery cables back to your battery and verify everything is working properly.



Tailgate Power Window/With Ground in Front T/G Window Switch (79-91)					
1	2	3	4	5	6
30	Plug	86	30	Plug	86
Brown to T/G Safety Switch	N/A	Brown to T/G Window Switch	Tan to T/G Window Motor	N/A	Tan to T/G Window Switch
<i>Note: All connections are made in tailgate</i>					
7	8	9	10	11	12
85	87A	87	85	87A	87
Black to Ground	Black to Ground	Red to Constant Power	Black to Ground	Black to Ground	Red to Constant Power



Year	Tailgate (Constant Power)	Front Driver Win. (Switched Power)	Front Passenger Win. (Switched Power)	Rear Driver Win. (Switched Power)	Rear Passenger Win. (Switched Power)	Door Lock (Constant Power)
1991	Red w/Tr	Red	Violet	Red	Violet	Red w/Tr
1990	Red w/Tr	Red	Violet	Red	Violet	Red w/Tr
1989	Red w/Tr	Red	Violet	Red	Violet	Red w/Tr
1988	Violet w/Tr	Violet	Violet	Red	Red	Red w/Tr
1987	Orange	Violet	Violet	Red	Red	Red w/Tr
1986	Orange	Violet	Violet	Red	Red	Red w/Tr
1985	Orange	Red	Red	Red	Red	Red w/Tr
1984	Orange	Red	Red	Red	Red	Red w/Tr
1983	Orange	Red	Red	Red	Red	Red w/Tr
1982	Orange	Red	Red	Red	Red	Red w/Tr
1981	Orange	Red	Red	Red	Red	Red w/Tr
1980	Orange	Red	Red	Red	Red	Red w/Tr
1979	Red w/Tr					
1978	Red					
1977	Red					
1976	Red					
1975	Red or Red w Tr					
1974	Red w/Tr					
1973	Red w/Tr					